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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims

1	1. (Currently Amended) A computer-readable medium containing a storage
2	disk device driver architecture for access by a processing system, wherein the architecture
3	comprises comprising:
4	a RAID class driver including having
5	a first physical device object representing a RAID system comprised of a
6	plurality of disks,
7	each disk associated with a plurality of functional device object objects.
8	each associated with one disk and adapted to interface with a second physical device object
9	representing the that disk, wherein each second physical device object provides and providing a
10	RAID-specific device identification.
,	
1	 (Currently Amended) The storage disk device-driver architecture
2	computer-readable medium of claim 1, wherein the physical device object providing a RAID-
3	specific device identification is included in a disk controller driver adapted to interface with a
4	disk controller.
1	3. (Currently Amended) The storage disk device driver architecture
	,
2	computer-readable medium of claim 1, wherein the physical device object representing the
3	RAID system is adapted to provide a standard disk device identification to an operating system.
1	4. (Currently Amended) The storage disk-device driver architecture
2	computer-readable medium of claim 1, wherein the RAID class driver is adapted to combine
3	each disk into a RAID system.
1	 (Currently Amended) The storage disk device driver architecture
2	computer-readable medium of claim 4, wherein in response to receiving a request to write a data

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- block to RAID system, the RAID class driver is adapted to mirror the data block on at least a
 portion of the plurality of disks via the associated functional device objects.
- 6. (Currently Amended) The storage disk device driver architecture

 computer-readable medium of claim 4, wherein in response to receiving a request to write a first and second data block to RAID system, the RAID class driver is adapted to write via the associated functional device objects the first data block to a first portion of the plurality of disks and to write via the associated functional device objects the second data block to a second portion of the plurality of disks.
- 7. (Currently Amended) The storage disk-device driver architecture

 computer-readable medium of claim 4, wherein in response to receiving a request to write a first

 and second data block to RAID system, the RAID class driver is adapted to write via the

 associated functional device objects an error correction block to a portion of the plurality of

 disks.
- 8. (Currently Amended) The storage disk device driver architecture

 computer-readable medium of claim 1, wherein the physical device object representing a RAID

 system is a child of a RAID controller functional device object adapted to interface with a RAID

 controller physical device object.
- 9. (Currently Amended) The storage disk device driver architecture

 computer-readable medium of claim 1, wherein the RAID class driver is adapted to configure the physical device object representing a RAID system according to RAID configuration data stored in a computer system configuration memory.
- 1 10. (Currently Amended) The storage disk device driver architecture
 2 computer-readable medium of claim 1, wherein a first portion of the plurality of disks is
 3 associated with a first disk controller of a first type and a second portion of the plurality of disks
 4 is associated with a second disk controller of a second type.

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1 11. (Currently Amended) The storage disk device driver architecture 2 computer-readable medium of claim 10, wherein the first type is an EIDE type controller and the 3 second type is a SCSI type controller. 1 12. (Currently Amended) The storage-disk-device-driver architecture 2 computer-readable medium of claim 10, wherein the first type is a serial ATA type controller and 3 the second type is a parallel ATA type controller. 1 13. (Currently Amended) The storage disk-device driver architecture 2 computer-readable medium of claim 10, wherein the second type is a controller for an external 3 disk. 1 14. (Currently Amended) The storage disk device driver architecture 2 computer-readable medium of claim 1, wherein the RAID class driver is adapted to optimize 3 data access by combining separate data access operations associated with a disk of the RAID 4 system into a single data access operation. 1 15. (Currently Amended) An integrated circuit adapted to perform core logic 2 functions of a computer, the integrated circuit comprising: 3 a RAID controller adapted to induce an operating system to load a RAID class 4 driver having a physical device object representing a RAID system comprised of a plurality of 5 disks; and 6 a first disk controller adapted to interface with at least a portion of the plurality of 7 disks and further adapted to induce the operating system to load a disk controller driver, wherein 8 the disk controller driver is adapted to provide RAID-specific device identifications for the 9 portion of the plurality of disks. 1 16. (Original) The integrated circuit of claim 15, wherein the physical 2 device object representing the RAID system is adapted to provide a standard disk device 3 identification to an operating system.

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1 17. (Original) The integrated circuit of claim 15, wherein in response to receiving a request to write a data block to the RAID system, the integrated circuit is adapted to 2 3 mirror the data block on at least a portion of the plurality of disks. 1 18. (Original) The integrated circuit of claim 15, wherein in response to 2 receiving a request to write a first and second data block to the RAID system, the integrated 3 circuit is adapted to write the first data block to a first subset of the portion of the plurality of 4 disks and to write the second data block to a second subset of the portion of the plurality of disks. 1 19. (Original) The integrated circuit of claim 15, wherein in response to 2 receiving a request to write a first and second data block to the RAID system, the integrated 3 . circuit is adapted to write an error correction block to at least a subset of the portion of the 4 plurality of disks. 1 20. (Original) The integrated circuit of claim 19, wherein the integrated 2 circuit is adapted to determine the value of an error correction block from the first and second 3 data block. 1 21. (Original) The integrated circuit of claim 15, wherein the integrated 2 circuit is adapted to configure the physical device object representing a RAID system according 3 to RAID configuration data stored in a computer system configuration memory. 1 22. (Original) The integrated circuit of claim 15, further adapted to 2 interface with a second disk controller, wherein the second disk controller adapted to interface 3 with at least a second portion of the plurality of disks and further adapted to induce the operating 4 system to load a second disk controller driver, wherein the second disk controller driver is 5 adapted to provide RAID-specific device identifications for the second portion of the plurality of disks. 6 1 23. (Original) The integrated circuit of claim 15, further including a

second disk controller adapted to interface with at least a second portion of the plurality of disks

and further adapted to induce the operating system to load a second disk controller driver,

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type and a second disk controller is of a second type.

Appl. No. 10/726,812 PATENT Amdt. dated June 1, 2006 Reply to Office Action mailed December 2, 2005 wherein the second disk controller driver is adapted to provide RAID-specific device identifications for the second portion of the plurality of disks. 24. (Original) The integrated circuit of claim 23, wherein the first disk controller is of a first type and the second disk controller is of a second type. 25. (Original) The integrated circuit of claim 24, wherein the first type is an EIDE type controller and the second type is a SCSI type controller. 26. (Original) The integrated circuit of claim 24, wherein the first type is a serial ATA type controller and the second type is a parallel ATA type controller. 27. (Original) The integrated circuit of claim 24, wherein the second type is a controller for an external disk. 28. (New) A method of creating a RAID system comprised of a plurality of disks, comprising: receiving a RAID-specific device identification for each disk of the RAID system; binding a RAID-specific functional interface to each disk having a RAID-specific device identification; combining the disks into a disk object representing the entire RAID system; and providing the operating system with a standard disk device identification via the disk object. 29. (New) The method of claim 28, wherein the RAID-specific device identification is received from one or more disk controllers, wherein each disk controller is adapted to interface with at least a portion of the plurality of disks.

- 1 31. (New) The method of claim 28, wherein the RAID-specific device
- 2 identification for each disk of the RAID system is obtained from a CMOS configuration.

(New) The method of claim 29, wherein a first disk controller is of a first

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- 1 32. (New) The method of claim 28, further comprising initializing the RAID class driver in response to the identification of a RAID controller.
- 1 33. (New) The method of claim 32, wherein the RAID controller comprises
- 2 hardware.
- 1 34. (New) The method of claim 28, further comprising loading a standard
- 2 disk driver to interface with the disk object, thereby enabling transparent access to the RAID
- 3 system.